GB

Sommario

Thank you for your patronage. We are confident that our excellent products and service can satisfy you.

For your own safety, please read this user manual carefully before installing the device.

CAUTION	
	Keep this device away from rain and moisture!
	Unplug mains lead before opening the housing

Every person involved with the installation, operation and maintenance of this device has to
- be qualified
- follow the instructions of this manual
- consider this manual to be part of the total product
- keep this manual for the entire service life of the product
- pass this manual on to every further owner or user of the product
- download the latest version of the user manual from the Internet

INTRODUCTION:

Thank you for having chosen this professional LED lighting.
You will see you have acquired a powerful and versatile device.

Unpack the device. Inside the box you should find:
1. The fixture device
2. One power cables
3. One XLR connection cable
4. One safety rope and this manual

Belows are the optional spare parts. You can purchase from the supplier
1. barn-door
2. frost filter

Please check carefully that there is no damage caused by transportation. Should there be any, consult your dealer and don't install this device.

DESCRIPTION OF THE DEVICE

Features

- 3, 4 or 6 DMX channels selectable for numerous applications
- Equipped with 36 x 3 W LEDS: 12 x red, 12 x blue, 12 x green
- 100 000 hours LED life
- The LEDS can be controlled individually
- Switch-mode power supply
- Automatic power supply adaption between 100 and 240 Volts without power selector
- Stepless RGB colour changing
- Programmable color-change speed and strobe effect
- DMX-controlled operation or stand alone operation with Master/Slave-function
- Strobe-effect with 1-18 flashes per second
- Programmed chaser
- Rainbow-effect with adjustable speed
- Advantages of LED-technology: Extremely long life, low power consumption, minimal heat emission, defact maintenance free with brilliant light radiation
- DMX-control via every standard DMX-controller

OVERVIEW
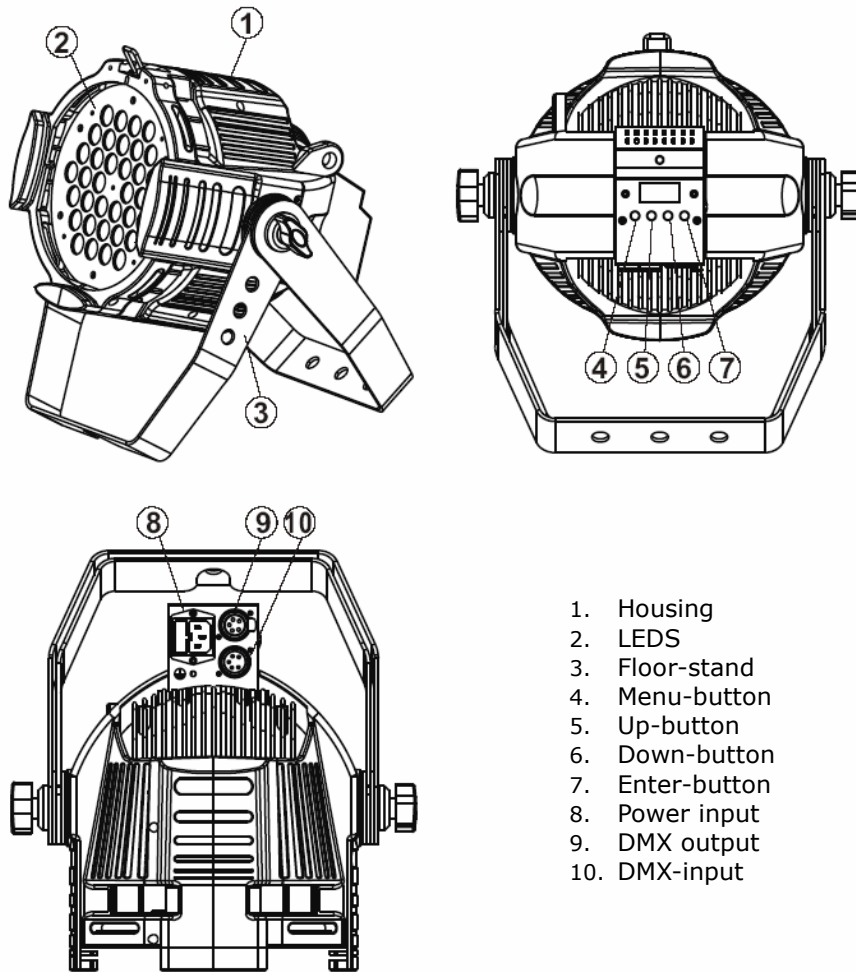
1. Housing
2. LEDS
3. Floor-stand
4. Menu-button
5. Up-button
6. Down-button
7. Enter-button
8. Power input
9. DMX output
10. DMX-input

SAFETY INSTRUCTIONS

CAUTION!
Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

Important:
Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature.

This device falls under protection-class I. Therefore it is essential that the device be earthed.
The electric connection must carry out by qualified person.

The device shall only be used with rate voltage and frequency.
Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

CAUTION!
Never touch device during operation! The housing may heat up
Never look directly into the light source, as sensitive persons may suffer an epileptic shock.

Please be aware that damages caused by manual modifications to the device are not subject to warranty. Keep away from children and non-professionals.

GENERAL GUIDELINES

This device is a lighting effect for professional use on stages, in discotheques, theatres, etc.
This fixture is only allowed to be operated with the max alternating current which stated in the technical specifications in the last page of this manual, the device was designed for indoor use only.
Lighting effects are not designed for permanent operation. Consistent operation breaks may ensure that the device will serve you for a long time without defects. Do not shake the device.
Avoid brute force when installing or operating the device.
The device shall only be used complete with its protective shield.
While choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. The minimum distance between light-output from the projector and the illuminated surface must be more than 0.1 meter.

Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation.

Please use the original packaging if the device is to be transported.
For safety reasons, please be aware that all modifications on the device are forbidden.

If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to short-circuit, burns, electric shock, lamp explosion, crash, etc.

INSTALLATION INSTRUCTIONS

CAUTION!	
⚡	Do not operate this device with open cover.
⚡	Only install the lamp with the device unplugged from the mains.

Mounting the device

CAUTION	
⚠	Please consider the EN 60598-2-17 and the other respective national norms during the installation. The installation must only be carried out by a qualified person.

The installation of the effect has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.

The installation must always be secured with a secondary safety attachment, e.g. an appropriate safety rope.

Never stand directly below the device when mounting, removing or servicing the fixture.

The operator has to make sure the safety relating and machine technical installations are approved by an expert before taking the device into operation for the first time.
These installations have to be approved by a skilled person once a year.

CAUTION	
⚠	Before taking into operation for the first time, the installation has to be approved by an expert.

Cautions:
The effect should be installed outside areas where persons may reach it, walk by or be seated.

CAUTION	
⚠	When installing the device, make sure there in no highly inflamm able material within a distance of min. 0,5m

Overhead mounting requires extensive experience, including amongst others calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the device. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

CAUTION	
⚡	The electric connection must only be carried out by a qualified electrician.

Before mounting make sure that the installation area can hold a minimum point load of 10 times the device's weight.
Connect the fixture to the mains with the power plug.

Overhead rigging
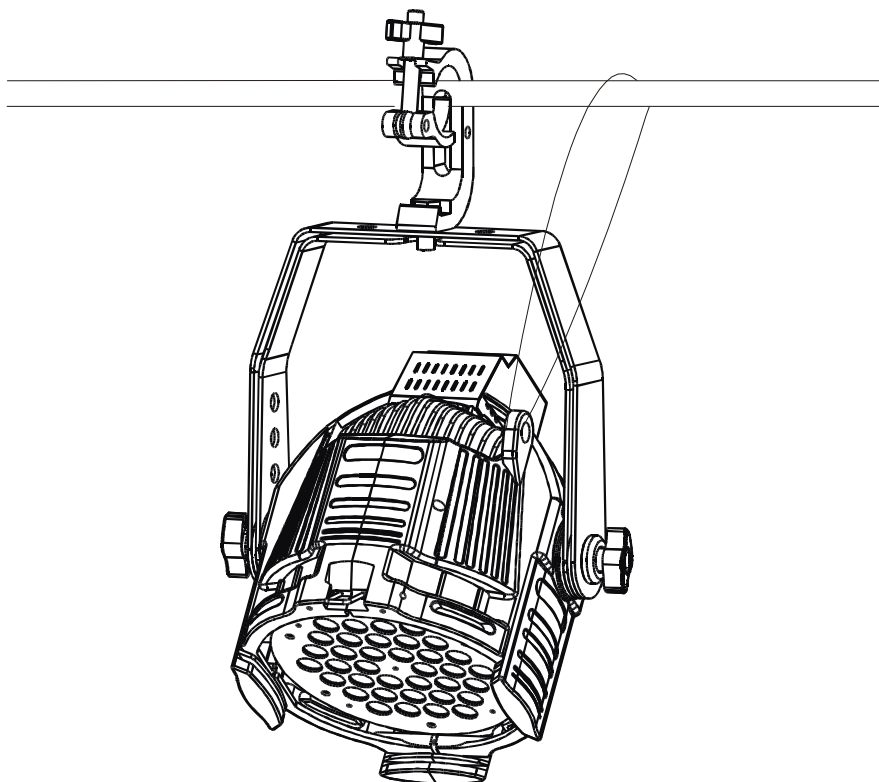
Screw the bolt of the clamp into the hold of the bracket, and tighten the screw underneath.
Pull the safety-rope through the holes on the bracket of the base and over the trussing system or a safe fixation spot. Insert the end in the carabine and tighten the safety screw.

DMX-512 control connection

The product has a DMX 512 input fitted with standard 5-pin XLR connectors. Screened cables in compliance with EIA RS-485 specifications and the following characteristics must be used for connections:
- 2 conductors plus screen
- 120Ohm impedance
- low capacitance
- max. transmission rate 250kBaud.

Cable connections:

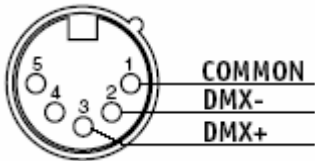**see illustration, taking care with the screen, which must be connected to Pin 1**

| Address 13 | Address 7 | Address 1 |
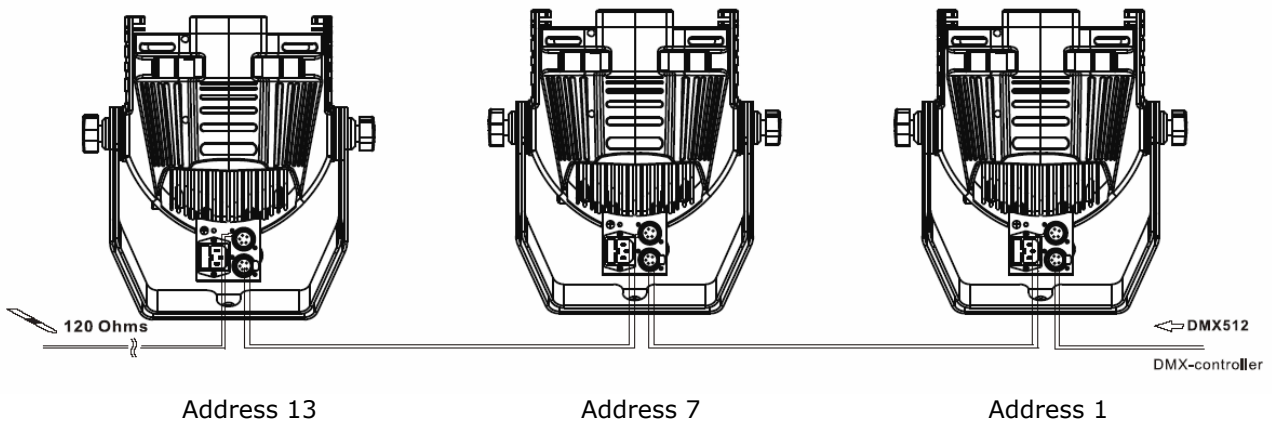
Please note: to ensure maximal stability, when the voltage is 120V, only six devices may be connected
Please note: to ensure maximal stability, when the voltage is 120V, only five devices may be connected together in this manner! From the sixth device, please connect to power supply to get power for the second link; when the voltage is over 220V, only ten devices may be connected together in this manner! From the eleventh device, please connect to power supply to get power for the second link.

DMX-512 connection with DMX terminator
For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3,which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below.
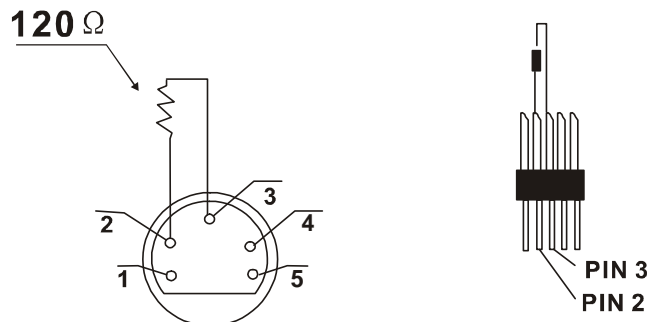
OPERATION

Display menu：

MODE (*ПОдЕ*)	**ADDR(*Addr*)**	AXXX (**1**-512)(*A00I*)	Set dmx address	
	DISP(*dISP*)	**ON**/OFF(*ONIOFF*)	Display "Blackout" function. When activated the display will automatically blackout when not in use	
	FLIP(*FLIP*)	ON/**OFF**(*ONIOFF*)	When "ON" this function rotate the display 180°	
	CHAN(*CHAN*)	**3 CH(*03CH*)**	3 dmx channels (rgb)	
		4 CH(*04CH*)	4 dmx channels (rgb+master dim)	
		6 CH(*06CH*)	6 dmx channels	
	SLAV(*SLAU*)	ON/**OFF**(*ONIOFF*)	Unit functions as slave	
MANU (*ПANU*)	CNTL(*CNtL*)	MAST(*ПASt*)	Unit functions as master	
		ALON(*ALON*)	Unit functions in stand alone	
	BLAC(*bLAC*)		Blackout	
	COLR(*COLr*)	RED(*rEd*)	R000-R255	Set red value
		GREN(*grEN*)	G000-G255	Set green value
		BLUE(*bLUE*)	B000-B255	Set blue value
		STRB(*Strb*)	000-255	Set strobe value
CHAS (*CHAS*)	CHS1(*CHSI*)	SPED(*SPEd*)	001-255	Set chase speed
		FADE(*FAdE*)	001-255	Set chase fade
		STRB(*Strb*)	000-255	Set chase strobe
	CHS2(*CHS2*)	SPED(*SPEd*)	001-255	Set chase speed
		FADE(*FAdE*)	001-255	Set chase fade
		STRB(*Strb*)	000-255	Set chase strobe
	CHS3(*CHS3*)	SPED(*SPEd*)	001-255	Set chase speed
		FADE(*FAdE*)	001-255	Set chase fade
		STRB(*Strb*)	000-255	Set chase strobe
	CHS4(*CHS4*)	SPED(*SPEd*)	001-255	Set chase speed
		FADE(*FAdE*)	001-255	Set chase fade
		STRB(*Strb*)	000-255	Set chase strobe
	CHS5(*CHS5*)	SPED(*SPEd*)	001-255	Set chase speed
		FADE(*FAdE*)	001-255	Set chase fade
		STRB(*Strb*)	000-255	Set chase strobe
	CHS6(*CHS6*)	SPED(*SPEd*)	001-255	Set chase speed
		FADE(*FAdE*)	001-255	Set chase fade
		STRB(*Strb*)	000-255	Set chase strobe
	CHS7(*CHS7*)	SPED(*SPEd*)	001-255	Set chase speed
		FADE(*FAdE*)	001-255	Set chase fade
		STRB(*Strb*)	000-255	Set chase strobe
	CHS8(*CHS8*)	SPED(*SPEd*)	001-255	Set chase speed
		FADE(*FAdE*)	001-255	Set chase fade
		STRB(*Strb*)	000-255	Set chase strobe
SOND (*SONd*)	CTRL(*Ctrl*)	MAST(*ПASt*)	Sound-controlled run as Master	
		ALON(*ALON*)	Sound-controlled run in Stand Alone	
	MIC(*ПIC*)	M-XX(*П-00-99*)	Microphone sensitivity	
OTHR (*OtHr*)	DIMR(*dIПr*)	MOD1(*ПOdI*)	Standard dimming option	
		MOD2(*ПOd2*)	Linear dimming option	
		MOD3 (*ПOd3*)	Acquiescence dimming option	
	EBOC(*EbOC*)	**ON**/OFF(*ONIOFF*)	Change DMX address via external controller	
	FAN(*FAN*)	HIGH(*HIGH*)	Fan's mode select	
		AUTO(*AUtO*)		
	LOAD(*LOAd*)	YES(*YES*)	Restore factory default settings	
	VER(*UEr*)	V 1.1(*UI.I*)	Display's current software version	

Remark:

1. You can control the fixture no matter in which mode. When the DMX signal is out, the fixture will keep the last status of the DMX, and the manual mode would be unavailable.

2. Instruction for the SPED and the FADE function in CHAS:

   SPEED: The time one step would stay

   FADE: The time that one step altered to next step

   Example: we set SPEED ==1second, and FADE ==1second, the 1st step is Red 100% open, the 2nd step is green 100% open, the 3rd step is Blue 100% open. So, the Chase would come out as:

   1. The Red 100% open and stay for 1second (SPEED)

   2. Then Red drop down from 100% to 0%, the same time Green from 0% to 100%, in 1second (FADE)

   3. The Green stay 100% for 1second

   4. Then Green drop down from 100% to 0%, the same time Blue from 0% to 100%, in 1second (FADE)

   5. Blue stay 100% for 1second.

   6. Then Blue drop down from 100% to 0%, the Red come up from 0% to 100%

3. Remote DMX addressing (RDMX) - This function allows the DMX address to be changed remotely from a DMX console. This setting requires special settings for both the controller and the fixture.

   1. RDMX function may be turned on and off, and is "ON" be default. Follow the procedure listed below to access the RDMX functions:

   2. Fixture Settings:

      a. Access the main menu and use the UP or DOWN to get to the "OTHr" menu, then press ENTER

      b. Once in the "OTHr" menu, tap the UP or Down to get to the   "EBOC" menu, press ENTER.

      c. "EBOC" is the function that turn the RDMX function on and off. Press ENTER and be sure the function is turned on.

      d. Press the UP button to display "ON" to activate this function, or "OFF" to deactivate this function.

      e. Press ENTER to confirm.

      f. Press MODE/ESC to return to the main menu.

   3. Controller Settings:

      a. Set the DMX value of channel 1 to a value of 7.

      b. Set the DMX value of channel 2 to a value of 7 or 8. When channel 2 is set to "7" you can adjust the starting address between 1 and 255. When set to "8" you can adjust the starting address between 256 and 512.

      c. Use channel 3 to set your desired DMX starting address. For example: If you want to set the starting address to 57, set channel 1 to a value of "7," set channel 2 to a value of "7" and use channel 3 to set your address to 57 by selecting a channel value of 57. Example 2: If you want to set the starting address to 420, set channel 1 to a value of "7," channel 2 to "8" and channel 3 to "164" (256+164=420).

4. Wait for approximately 20 seconds for the unit to complete the address reset function.

INSTRUCTIONS ON USE:

DMX channel´s functions and their values (6 DMX channels):				
Mode/Channel			**Value**	**Function**
3CH	**4CH**	**6CH**		
1	1	1		**group Red :**
			0-255	Red (0-Black , 255-100% Red)
2	2	2		**group Green:**
			0-255	Green (0-Black , 255-100% Green)
3	3	3		**group Blue:**
			0-255	Blue (0-Black , 255- 100% Blue)
NA	4	NA		**General dimming:**
			0-255	dimming(0-Black , 255- 100%)
NA	NA	4		**internal programs:**
			0-10	without internal program
			11-40	internal program 1
			41-70	internal program 2
			71-100	internal program 3
			101-130	internal program 4
			131-160	internal program 5
			161-190	internal program 6
			191-220	internal program 7
			221-255	gradient effect
NA	NA	5		**Strobe:**
			0	No function (shutter open)
			1-95	Strobe effect slow to fast
			96-127	No function (shutter open)
			128-159	Pulse-effect in sequences
			160-191	No function (shutter open)
			192-223	Random strobe effect slow to fast
			224-255	No function (shutter open)
NA	NA	6		**General dimming/speed:**
			0-255	dimming(0-Black , 255- 100%)
				speed from slow to fast /when running internal programs
				speed from slow to fast /when running gradient effect

INSTRUCTIONS FOR INSTALLING THE BARN-DOOR AND FROST FILTER:

For this device, the bar door and the frost filter can be installed separately or together.

1. When only install the frost filter, use the rotating clips on the lens cover to fix it.
2. When only install the bar door, release the 2 M4 screws on the lens cover, put on the bar door and tighten the screws.
3. When install the bar door and frost filter together, release the 2 M4 screws, put on the frost filter and the bar door one by one, then tighten the screws.

Loose the 2 screws
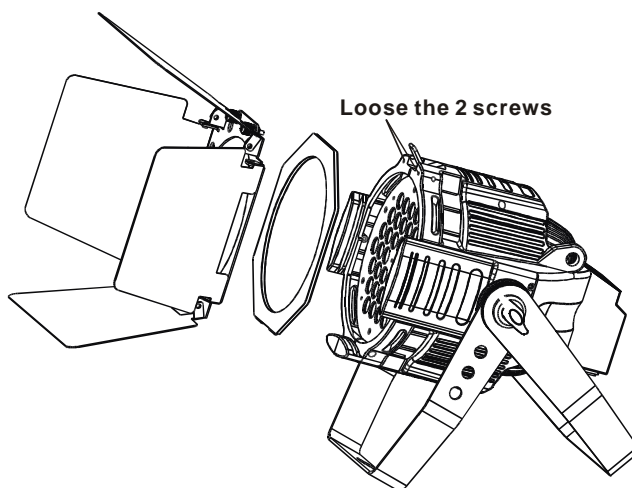
CLEANING AND MAINTENANCE

We recommend a frequent cleaning of the device. Please use a soft lint-free and moistened cloth. Never use alcohol or solvents!

CAUTION!
Disconnect from mains before starting maintenance operation.

There are no servicable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers.
Should you need any spare parts, please use genuine parts.
If the power supply cable of this device becomes damaged, it has to be replaced by authorized dealers only in order to avoid hazards.
Should you have further questions, please contact your dealer.

INSTALLATION

This device is only constructed for a standing installation. The device must only be installed absolutely planar at a vibration-free, oscilation-free and fire-resistant location. Make sure that the device is installed absolutely planar by using a water-level.

TECHNICAL SPECIFICATIONS

Power supply: 100V~240V AC，50 / 60Hz
Power consumption: max. 150 W
Packing dimensions: 40 x 30 x 48 CM
Net weight: 7 KGS
Gross weight: 10KGS

Remark: errors and omissions for every information given in this manual except. All information is subject to change without prior notice.